Central California Air Quality Study Modeling Center

CCOS/CRPAQS Technical Committee Meeting

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Goal

- Promote better collaboration
- Make all model inputs and outputs as well as modeling tools available to study participants
- Discuss and resolve modeling related issues together
- Share workload to save time
- Better keep track of changes/improvements in model inputs and outputs
- Better document changes in emissions inventory
- Report problems, otherwise may be undetected
- Learn from each other to enhance staff skills

Goal

- Provide better guidance for developing future projects
- Make everyone aware of major assumptions or limitation of tools
- Provide tools for district staff to evaluate their local emissions sources and their local air quality issues
- Maintain unity under Modeling Center umbrella after CCOS/CRPAQS ends
- Many others…

Process (EI)

- Make MEDS files available to everyone
- Prepare model ready files from MEDS files using SMOKE, rather than ARB's current process
  - BAAQMD already developed a method for this transition
- Provide meteorology modeling code that has been error checked by ARB and NOAA. Share processing routines.

Process (Modeling)

- Upload model inputs/outputs to Modeling Center Computer as they become available
- Adopt a file naming convention to identify files
- Develop a web interface for non-modelers to access data
- Conduct simulations and model performance evaluation
- Provide ozone modeling code that has been error checked by ARB. Share processing routines.
- NOTE:
  - SIP simulations will not be the mission of the Modeling Center, SIP modeling will be done at ARB or by Districts or consultants
  - Non-agency members can request simulations but needs to be approved by the group

Modeling Center Computers

- Purchase a cluster computer system for SJV
- Purchase a storage server, BAAQMD is willing to maintain it with full outside access
- SMAQMD may need a server
- A training room is needed
  - Location should have remote terminal capability for technical modeling discussions when the modeling center is active, but initially is desired as a centrally located meeting place to reduce travel time
  - TC and PC can also meet there if suitable